BRUHATH BANGALORE MAHANAGARA PALIKE

R.R. Nagara Division

Comparative Statement

Name of work: Imropevements to road, drain and other works in Khatha Nagar in Ward No 16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No 16

Estimate Amount:-
Job No.:-1
Work Order No.:
Name of Agency:-N.M Krishnamurthy

Sl. N0	Description fof Item	Unit	As perScdule-B			Anticipated Qty	As per Execution upto 125 % @ tender Rate			As per Execution above 125 % Excecution year SR +/- T.P (2015-16 S.R)			Work Slip Amount (Excess)	Savings
			Qty	Rate (Rs.)	Amount	Qty	Qty	Rate (Rs.)	Amount	Qty	Rate (Rs.)	Amount	Amt	Amt
1	2	3	4	5	6	11	8	9	10.00	11	12	13	14	15
1	Removing B.S. slab of Drain and stacking.	Sqm	105.30	67.85	7144.605	130.50	130.50	67.85	8854.43	0.00	67.85	0.00	1709.82	
2	Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	105.300	84.78	8927.33	130.50	130.50	84.78	11063.790	0.00	84.78	0.00	2136.46	
3	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	263.17	201.00	52897.170	263.69	263.69	201.00	53001.690	0.00	201.00	0.00	104.52	
4	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202	Cum	809.59	504.00	408033.360	965.81	965.81	504.00	486770.054	0.00	504.00	0.00	78736.69	

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14	Amt 15
5	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	37.95	5903.75	224047.313	39.03	39.03	5903.75	230393.844	0.00	5903.75	0.00	6346.53	
6	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-20	Cum	41.77	6807.00	284328.390	45.51	45.51	6807.00	309786.570	0.00	6807.00	0.00	25458.18	
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	273.00	330.00	90090.000	295.20	295.20	330.00	97416.000	0.00	330.00	0.00	7326.00	

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14	15
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No.17, I.No.4.46.2)	Tonne	2.53	65000.00	164450.000	2.50	2.50	65000.00	162698.250	0.00	65000.00	0.00		1751.75
9	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	144.00	1095.00	157680.000	158.88	158.88	1095.00	173973.600	0.00	1095.00	0.00	16293.60	
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	3.60	5900.00	21240.000	3.97	3.97	5900.00	23434.800	0.00	5900.00	0.00	2194.80	

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14	15
11	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge. Data rate	Sqm	304.30	1972.00	600079.600	484.38	380.38	1972.00	750099.500	104.01	1972.00	205097.86	355117.76	
12	Providing and fixing RCC pre cast covering slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and dwon size with stel reinforcement including from work lift charges curing and concrete finished surface on both side etc., comlete and asper drawing and the direction of Engineering incharge(Data Rate)	Sqm	23.40	5495.00	128583.000	27.00	27.00	5495.00	148365.000	0.00	5495.00	0.00	19782.00	
13	Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	67.20	225.00	15120.000	0.00	0.00	225.00	0.000	0.00	225.00	0.00		15120.00
14	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm	Sqm	175.20	2245.00	393324.000	0.00	0.00	2245.00	0.000	0.00	2245.00	0.00		393324.00

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14	Amt 15
15	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment lo	Cum	404.79	164.00	66385.560	1206.25	1206.25	164.00	197825.656	0.00	164.00	0.00	131440.10	
16	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	404.79	5630.00	2278967.700	588.63	505.99	5630.00	2848709.625	82.64	5630.00	465256.16	1034998.09	

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14	Amt 15
17	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as	Cum	607.19	6404.00	3888444.760	736.56	736.56	6404.00	4716906.929	0.00	6404.00	0.00	828462.17	
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	4047.93	45.00	182156.850	4825.02	4825.02	45.00	217125.720	0.00	45.00	0.00	34968.87	

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14	Amt 15
19	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement	Rmt	1757.02	133.50	234562.170	2088.50	2088.50	133.50	278814.750	0.00	133.50	0.00	44252.58	
20	porviding and erecting direction and place indentification retro-reflectiorised sign as per IRC-67-2012 Made of high intensity grade sheeting vide clause 800.1.3 fixed over aluminiuam sheeting ,2mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75mmx75mmx6mm, 2Nos. firmly fixed tothe ground by mean of properly designed foundation with M-15 grade cement concrete 45cmx45cm x60cm, 60cm below ground level as per appproved drawing complete as per specifications. - MORTH specifications No.801 Using Type IV Sheeting	Sqm	2.00	8072.00	16144.000	0.00	0.00	8072.00	0.000	0.00	8072.00	0.00		16144.00

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14	Amt 15
21	providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 Heavy duty tiles for flooring , treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement , including cost of materials , including cutting Griding the edge to half /full round wherver required ,labour , curing complete as per specification.	Sqm	100.00	1222.00	122200.000	0.00	0.00	1222.00	0.000	0.00	1222.00	0.00		122200.00
22	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	No	89.00	345.00	30705.000	89.00	89.00	345.00	30705.000	0.00	345.00	0.00	0.00	0.00
23	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	14.00	65.00	910.000	14.02	14.02	65.00	911.138	0.00	65.00	0.00	1.14	

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14	15
24	Supplying and fixing of leg press double of safe area :2.8Mtr X 1.5Mtr , center pipe :100 NB G1B-Class pipe ,seat frame :32NB GI B-Class pipe ,Back rest :LLDP Plastic ,Seat Reast :LLDP Plastic Foot Rest:LLDP PLASTIC ,PIPE CAP :Nylon 66 injection moulded , bearing housing and pin:seamless pipe & round bar , BEARING PERMANMENT SEALED OF REPUTED MAKE (FAG/SKF),STOPER :PU ROD, NUT BOLTS CAP:Nylon 66 injection moulded , NUT BOLTS :HIGH TENSILE STEEEL, GALVANISED NUT BOLTS, POWDER COAT:DONE BY PURE POLYURETANE POWDER WITH 70-80 MICRON THICKNESS As per engineer in charge of the work.	Nos	1.00	96796.25	96796.250	0.00	0.00	96796.25	0.000	0.00	96796.25	0.00		96796.25
25	Supplying and fixing of fun walker double of safe AEA :3mtr x 2mtr,Main Frame :100nb GI B-class pipe leg frame :32 nb G1 B-Class pipe, Leg Frame :32NB G1 B-CLASS PIPE Handle frame :25 NB GI B-CLASS Pipe, foot rest :LLDP Plastick, pipe cap:nylon 66 injection moulded, bearing cap:nylon 66 injection round bar, nut bolt cap:nylon 66 injection moulded, bearing:permenant sealed of reputed make (fag/skf), nut bplts :high tensile steel, galvanised nut bolts, powder coat: done by pure polyuretane powder with 70-80 micron thickness As per engineer in charge of the work.	Nos	1.00	161250.00	161250.000	0.00	0.00	161250.00	0.000	0.00	161250.00	0.00		161250.00

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14	15
26	Supplying and fixing of pendulum double of safe Area:2.5mtr x 1mtr,Main Frame :100NB G1 B-class pipe, Leg Frame :40NB GI B-class pipe, Handle frame :25NB G1 B-CLASS pipe, SEAT:LLDP Plastic, PIPE CAP:Nylon 66 injection moulded, Bearing Cap:Nylon 66 injection moulded , Bearing housing and pin :seamlerss pipe & round bar nut boults cap;Nylon 66 injection moulded, bearing :permanent sealed of reputed make (fag/skf), nut bolts :high tensile steel ,galvanised nut bolts, powder coat: done by pure polyuretane powder with 70-80 micron thickness As per engineer in charge of the work.	Nos	1.00	96750.00	96750.000	0.00	0.00	96750.00	0.000	0.00	96750.00	0.00		96750.00
27	Supplying and fixing of cycle two way of safe Area:2.5mtr x 1mtr,Main Frame :100NB G1 B-class pipe,Area frame : :40NB GI B-class pipe, Handle frame :20NB G1 B-CLASS pipe, SEAT:LLDP Plastic, PIPE CAP:Nylon 66 injection moulded, Bearing Cap:Nylon 66 injection moulded , Bearing housing and pin :seamlerss pipe & round bar nut boults cap;Nylon 66 injection moulded, bearing :permanent sealed of reputed make (fag/skf), nut bolts :high tensile steel ,galvanised nut bolts, powder coat: done by pure polyuretane powder with 70-80Micron thickness As per engineer in charge of the work.	Nos	1.00	112875.00	112875.000	0.00	0.00	112875.00	0.000	0.00	112875.00	0.00		112875.00

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